

OF THE

Medical Officer of Health

FOR THE YEAR 1946

BY

T. H. STEPHENS, M.B., Ch.B., D.P.H.

The Urban District Council of Aberdare

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE YEAR 1946

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HEALTH COMMITTEE

DAY OF MEETING — Last Tuesday in each month at 7 p.m.

MEMBERS

Councillors T. Powell (Chairman), T. G. R. Phillips, D. J. Morse, James Williams, D. J. Lewis, Trevor Williams, A. T. M. Wilson, Evan E. Jones, D. Rees Jones, Mrs. M. Morris, J. Lynch, L. J. Scourfield, and ex-officio, the Chairman of the Council, Councillor W. Lawrence, and the Vice-Chairman, Councillor W. D. James. —

THE MATERNITY AND INFANT WELFARE COMMITTEE is composed of the members of the Health Committee, together with Mrs. M. A. Morgan, 247, Cardiff Road, Aberaman.

To the Chairman and Members of the Aberdare Urban District Council

PUBLIC HEALTH DEPARTMENT,
ROCK GROUNDS.

Madam and Gentlemen,—

In accordance with Article 14 (3) of the Sanitary Officers' Order of 1926, I beg to submit my report for the year ended December 31st, 1946. The report is written on the lines suggested by the Ministry of Health, and, compared with previous years, is, in accordance with their wishes, a very brief one.

PUBLIC HEALTH OFFICERS

Assistant Medical Officer of...Elizabeth A. Marsden, M.B.,
Health and Assistant School Ch.B., Aberdeen.
Medical Officer

Orthopaedic Surgeon J. Berry Haycraft, M.B., Ch.B.,
(part-time) Edin., F.R.C.S., Eng., Surgeon
to the Prince of Wales' Hospi-
tal, Cardiff; Assist. Surgeon,
Royal Infirmary, Cardiff.

Surgeon for the Operative...Harry Banks, M.B., Dub.,
Treatment of enlarged Tonsils F.R.C.S., Edin.
and Adenoids (part-time).

Medical Officer of the Birth...Sybil M. Morgan, M.R.C.S.,
Control Clinic (part-time) L.R.C.P., Lond.

Sanitary Inspectors John Thomas, Senior Inspec-
tor (retired 15/5/46).
Daniel Lewis
Daniel Richards
Trevor Walters
John F. Jones (commenced
duties 22/7/46).

Matron of the Small - Pox...Florence Paddock
Hospital, Fedw Hir

Chief Clerk Trevor J. Hopkins

Clerk W. G. Davies (resumed duty
15/4/46 on return from H.M.
Forces).

" J. Palmer (resumed duty
4/11/46 on return from H.M.
Forces)

" N. Jones (joined H.M. Forces
5/11/42)

Clerk	(temporary)	... ..	D. R. Williams
"	"	... ..	E. S. Evans
"	"	... ..	Miss M. Williams (terminated duty 27/4/46)
Shorthand Typist	(temporary)	... ..	Miss M. A. Pugh (commenced duties 31/7/42)
Health Visitors		... ..	Dorothy Walker
			Kate Howlett
			E. M. Abraham
			A. M. Cuddigan
	(temporary)	... ..	E. Lloyd
Orthopaedic Nurse		... ..	Kate Howlett

VITAL STATISTICS

The following is a synopsis of the vital statistics for the year:—

Census population (1931)	... ..	48,751
Registrar-General's revised population	... ..	39,920
Birth rate	... ..	16.5
Crude death rate	... ..	13.3
Corrected death rate	... ..	14.6
Infantile mortality rate	... ..	46
Diarrhoea death rate (under two years)	... ..	.02
Respiratory death rate (excluding phthisis)	... ..	1.0
Phthisis death rate	... ..	.60
Other tuberculous diseases death rate	... ..	.05
Cancer death rate	... ..	1.9

RATEABLE VALUE

The rateable value is £158,451, and a penny rate produced £604/-/-.

DEATHS

Five hundred and thirty-one deaths actually occurred in the district, giving a crude death-rate of 13.3.

The crude death-rate only takes into consideration the deaths which actually occurred in the district.

Seventy-seven residents died in other districts, giving a corrected death-rate of 14.6.

The death-rate per 1,000 living for England and Wales for the year 1946 was 11.5 ; for the 126 great towns, 12.7 ; for the 148 smaller towns (census population, 25,000—50,000), 11.7, and for London, 12.7.

CAUSES OF DEATH

	M.	F.
All causes	322	259
1. Typhoid and parat. fevers	—	—
2. Cerebro-spinal fever	—	—
3. Scarlet fever	—	—
4. Whooping cough	—	—
5. Diphtheria	—	1
6. Tub. of resp. systems	18	6
7. Other forms of Tuberculosis	2	—
8. Syphilitic diseases	—	—
9. Influenza	7	1
10. Measles	—	—
11. Acute polio-myelitis and polio-encephalitis	—	—
12. Acute inf. encephalitis	—	—
13. Cancer of b. cav. and oesoph (M.), uterus (F) ...	3	6
14. Cancer of stomach and duodenum	10	7
15. Cancer of breast	—	10
16. Cancer of all other sites	26	16
17. Diabetes	—	4
18. Intra-cran. vasc. lesions	36	36
19. Heart disease	109	83
20. Other diseases of circulation system	2	4
21. Bronchitis	10	7
22. Pneumonia	6	6
23. Other respiratory diseases	11	2
24. Ulcer of stomach or duodenum	6	2
25. Diarrhoea (under two years)	—	1
26. Appendicitis	—	2
27. Other digestive diseases	3	5
28. Nephritis	9	3
29. Puerperal and post-abortion sepsis	—	—
30. Other maternal causes	—	3
31. Premature birth	5	7
32. Con. malnutrition, birth injury, infantile diseases	5	7
33. Suicide	3	1
34. Road traffic accidents	1	1
35. Other violent causes	34	36

BIRTHS

There were registered during the year 658 births (336 males, 322 females), the rate per 1,000 being 16.5 as compared with 15.6 for last year.

The birth-rate for England and Wales for 1946 was 19.1, of the 126 great towns (including London, census populations exceeding 50,000), 22.2 of the 148 smaller towns (census populations 25,000 to 50,000), 21.3 and of London 21.5.

The legitimate birth-rate per 1,000 of the population was 15.9 and illegitimate .52.

The still-birth rate per 1,000 of the population was .67.

ILLEGITIMATE BIRTHS AND DEATHS

There were 21 illegitimate births, and one death occurred among these children.

MARDY ISOLATION HOSPITAL, MERTHYR

During the year 12 cases of diphtheria, 22 of scarlatina, one of cerebro-spinal fever, five of paratyphoid B, one of dysentery, one of erysipelas, one of acute poliomyelitis and one of encephalitis lethargica were removed to the above hospital.

MARDY ISOLATION HOSPITAL, MERTHYR

Expenditure for the year ended 31st March, 1946

Aggregate number of days spent by patients in hospital	...	...	...	...	...	1517
Cost of isolation and treatment	...	...	...	...	£324	8 0
Number of patients admitted	...	...	...	...	40	

J. L. THOMAS (Accountant)

42/43, High Street, Aberdare.

NUTRITION

We continued to distribute leaflets at the Infant Welfare Centre and the School Clinic.

WATER SUPPLY

The water supply of the district is derived from upland sources. Llwydcoed, Abernant, Cwmbach, Abercwmboi, Robertstown and parts of Trecynon and Aberaman are supplied from two reservoirs, the Nanthir and Nantymoel, situated about four miles to the north of the town of Aberdare.

The reservoirs have a total capacity of 133,000,000 gallons, drain a gathering ground of 1,075 acres, and are the

property of the Council. On account of the lead dissolving powers of the water from these reservoirs, chalk is added.

The Town, Gadlys, Blaengwawr and part of Aberaman are supplied by the Graig Reservoir, which has a capacity of 7,000,000 gallons, and derives water from a gathering ground of about 500 acres in area. This reservoir is close to the recreation grounds known as Dumfries Park.

Pwllfa reservoir is a brick storage tank, with a capacity of 150,000 gallons, the water being mechanically filtered by means of a Reeve's patent filter. This is situated at a place known as Ffyrnant, and supplies the Llanwonno Road district. The remainder of Cwmaman is supplied from a reservoir in the Aman Fach Valley, which derives its supplies from the Aman Fach brook and from two springs. Mechanical pressure filters have been installed, and the reservoir is constructed of reinforced concrete, the capacity being about 65,000 gallons.

Hirwaun and Cwmdare are supplied from the reservoirs of the Taf Fechan Water Board.

Periodical chemical and bacteriological examination of samples of water are made, and last year 37 were examined.

The following are the reports of the Analyst on these samples:—

SAMPLE NO. 1. *TAP—Pleasant Grove, Cwmbach*

BLAENANTYGROES TANK

Date of Analysis—March 14th. Bacteriological Examination :
No. of organisms developing at 37 degrees cent—1
Bacillus Coli absent from 50 m.l.
Satisfactory.

SAMPLE NO. 2. *TAP—65, Jubilee Road, Godreaman*

NANTYMOEL RESERVOIR

Date of Analysis—March 14th. Bacteriological Examination :
No. of organisms developing at 37 degrees cent—Nil
Bacillus Coli absent from 50 m.l.
Satisfactory.

SAMPLE NO. 3. *TAP—3, Aman Street, Cwmaman*

PWLLFA RESERVOIR

Date of Analysis—March 14th. Bacteriological Examination :
No. of organisms developing at 37 degrees cent—Nil

Bacillus Coli absent from 50 m.l.
Satisfactory.

SAMPLE NO. 4. *TAP—Brookfield, Hirwaun Road, Tre cynor.*
TAF FECHAN RESERVOIR

Date of Analysis—March 14th. Bacteriological Examination :
No. of organisms developing at 37 degrees cent—nil
Bacillus Coli absent from 50 m.l.
Satisfactory.

SAMPLE NO. 5. *TAP—2, Wayne Street, Gadlys*
NANTHIR RESERVOIR

Date of Analysis—March 14th. Bacteriological Examination :
No. of organisms developing at 37 degrees cent—nil
Bacillus Coli absent from 50 m.l.
Satisfactory.

SAMPLE NO. 6. *TAP—Canteen, Brynhyfryd, Cwmaman*

Date of Analysis—March 14th. Bacteriological Examination :
No. of organisms developing at 37 degrees cent—nil
Bacillus Coli absent from 50 m.l.
Satisfactory.

SAMPLE NO. 7. *TAP—4, Maendy Place, Aberdare*
GRAIG RESERVOIR

Date of Analysis—March 14th. Bacteriological Examination :
No. of organisms developing at 37 degrees cent—nil
Bacillus Coli absent from 50 m.l.
Satisfactory.

SAMPLE NO. 8. *TAP—125, Brynmair Road, Godreaman*
NANT AMAN FACH RESERVOIR

Date of Analysis—March 14th. Bacteriological Examination :
No. of organisms developing at 37 degrees cent—1
Bacillus Coli absent from 50 m.l.
Satisfactory.

SAMPLE NO. 9. *TAP—Canteen, Brynhyfryd, Cwmaman*

Date of Analysis—June 1st. Chemical Examination :
A soft water of faintly acid reaction. Chemical analysis
shows no evidence of any organic contamination, but

the physical characters are unsatisfactory owing to the presence of suspended matter and dissolved iron.
dissolved iron = $1/36$ grain per gallon.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—200

Bacillus Coli present in 2 m.l.

Bacillus Coli absent from $\frac{1}{2}$ m.l.

Contaminated. Of doubtful bacterial purity

SAMPLE NO. 10.

**SURFACE COLLECTED STREAM ON MOUNTAIN SIDE,
CWMAMAN**

Date of Analysis—June 1st.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—960

Bacillus Coli present in $1/10$ m.l.

Contaminated. Of doubtful bacterial purity

SAMPLE NO. 11.

TAP—Canteen, Brynhyfryd, Cwmaman

Date of Analysis—June 25th.

Chemical Examination :

A soft neutral water. Chemical analysis shows no evidence of any organic contamination.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—41

Bacillus Coli absent from 100 m.l.

Satisfactory

SAMPLE NO. 12.

TAP—3, Aman Street, Cwmaman

PWLLFA RESERVOIR

Date of Analysis—June 25th.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—5

Bacillus Coli absent from 100 m.l.

Satisfactory.

SAMPLE NO. 13.

STREAM AT REAR OF BARN HOUSES, CWMAMAN

Date of Analysis—June 25th.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—12

Bacillus Coli absent from 100 m.l.

Satisfactory.

SAMPLE NO. 14.

STREAM—REAR OF CANTEEN, BRYNHYFRYD, CWMAMAN

Date of Analysis—July 1st.

Chemical Examination :

A soft water of faintly acid reaction. The chemical and physical characters are satisfactory.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—300

Bacillus Coli present in 100 m.l.

Bacillus Coli absent from 10 m.l.

Fairly satisfactory.

SAMPLE NO. 15.

TAP—125, Brynmair Road, Godreaman

NANT AMAN FACH RESERVOIR

Date of Analysis—June 25th.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—2

Bacillus Coli present in 10 m.l.

Bacillus Coli absent from 2 m.l.

Of moderate bacterial purity.

SAMPLE NO. 16.

TAP—64, Jubilee Road, Godreaman

NANTYMOEL RESERVOIR

Date of Analysis—June 25th.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—4

Bacillus Coli absent from 50 m.l.

Satisfactory.

SAMPLE NO. 17.

TAP—Nantgwyn Farm; Abernant

MOUNTAIN SPRING

Date of Analysis—June 25th.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—3

Bacillus Coli present in 50 m.l.

Bacillus Coli absent from 10 m.l.

Fairly satisfactory.

SAMPLE NO. 18.

TAP—2, Blaenantygroes Road, Cwmbach

BLAENANTYGROES TANK

Date of Analysis—June 25th.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—5

Bacillus Coli present in 2 m.l.

Bacillus Coli absent from $\frac{1}{2}$ m.l.*Of doubtful bacterial purity.*

SAMPLE NO. 19.

TAP—4, Maendy Place, Aberdare

GRAIG RESERVOIR

Date of Analysis—June 25th. Bacteriological Examination :

No. of organisms developing at 37 degrees cent—2.

Bacillus Coli absent from 50 m.l.

Satisfactory.

SAMPLE NO. 20.

TAP—3, Wayne Street, Gadlys

NANTHIR RESERVOIR

Date of Analysis—June 25th. Bacteriological Examination :

No. of organisms developing at 37 degrees cent—3

Bacillus Coli absent from 50 m.l.

Satisfactory.

SAMPLE NO. 21.

TAP—3, Station Place, Trecynon

NEUADD RESERVOIR

Date of Analysis—June 25th. Bacteriological Examination :

No. of organisms developing at 37 degrees cent—1

Bacillus Coli absent from 50 m.l.

Satisfactory.

SAMPLE NO. 22.

TAP—Canteen, Brynhytyd, Cwmaman

Date of Analysis—September 24th. Chemical Examination :

A soft water of faintly acid reaction. The chemical and physical characters are fairly satisfactory.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—6

Bacillus Coli present in 10 m.l.

Bacillus Coli absent from 2 m.l.

Moderate bacterial purity.

SAMPLE NO. 23.

TAP—3, Aman Street, Cwmaman

PWLLFA RESERVOIR

Date of Analysis—September 24th. Bacteriological Examination :

No. of organisms developing at 37 degrees cent—4

Bacillus Coli present in $\frac{1}{2}$ m.l.

Bacillus Coli absent from 1/10 m.l.

Unsatisfactory.

SAMPLE NO. 24. TAP—125, Brynmair Road, Godreaman
NANT AMAN FACH RESERVOIR

Date of Analysis—September 24th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent—2

Bacillus Coli present in 50 m.l.

Bacillus Coli absent from 10 m.l.

Fairly satisfactory.

SAMPLE NO. 25. TAP—65, Jubilee Road, Godreaman
NANTYMOEL RESERVOIR

Date of Analysis—September 24th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent—8

Bacillus Coli absent from 50 m.l.

Satisfactory.

SAMPLE NO. 26. TAP—2, Pleasant Grove, Cwmbach
BLAENANT Y GROES TANK

Date of Analysis—September 24th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent—6.

Bacillus Coli present in $\frac{1}{2}$ m.l.

Bacillus Coli absent from $\frac{1}{10}$ m.l.

Unsatisfactory.

SAMPLE NO. 27. TAP—4, Maendy Place, Aberdare
GRAIG RESERVOIR

Date of Analysis—September 24th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent—5.

Bacillus Coli present in 10 m.l.

Bacillus Coli absent from 2 m.l.

Moderate bacterial purity.

SAMPLE NO. 28. TAP—2, Wayne Street, Gadlys
NANTHIR RESERVOIR

Date of Analysis—September 24th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent—6.

Bacillus Coli absent from 50 m.l.

Satisfactory.

SAMPLE NO. 29. TAP—1, Station Place, Trecynon
NEUADD RESERVOIR

Date of Analysis—September 24th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent—1.

Bacillus Coli absent from 50 m.l.
Satisfactory.

SAMPLE NO. 30. TAP—1, Pleasant Grove, Cwmbach

BLAENANTYGROES TANK

Date of Analysis—December 17th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent—3.

Bacillus Coli present in 100 m.l.

Bacillus Coli absent from 10 m.l.

Fairly satisfactory.

SAMPLE NO. 31. TAP—Canteen, Brynhyfryd, Cwmaman

Date of Analysis—December 17th. Chemical Examination :

A soft water of faintly acid reaction. The chemical and physical characters are satisfactory.

Bacteriological Examination :

No. of organisms developing at 37 degrees cent—1.

Bacillus Coli present in 100 m.l.

Bacillus Coli absent from 10 m.l.

Fairly satisfactory.

SAMPLE NO. 32. TAP—3, Aman Street, Cwmaman

PWLLFA RESERVOIR

Date of Analysis—December 17th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent—6.

. Bacillus Coli absent from 100 m.l.

Satisfactory.

SAMPLE NO. 33. TAP—125... Brynmair Road, Godreaman

NANT AMAN FACH RESERVOIR

Date of Analysis—December 17th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent—2.

Bacillus Coli absent from 100 m.l.

Satisfactory.

SAMPLE NO. 34. TAP—64, Jubilee Road, Godreaman

NANTYMOEL RESERVOIR

Date of Analysis—December 17th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent.—1.

Bacillus Coli absent from 100 m.l.

Satisfactory.

SAMPLE NO. 35.

TAP—4, Maendy Place, Aberdare

GRAIG RESERVOIR

Date of Analysis—December 17th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent—3.

Bacillus Coli present in 100 m.l.

Bacillus Coli absent from 20 m.l.

Fairly satisfactory.

SAMPLE NO. 36.

TAP—3, Wayne Street, Gadlys

NANTHIR RESERVOIR

Date of Analysis—December 17th. Bacteriological Examination:

No. of organisms developing at 37 degrees cent—1.

Bacillus Coli absent from 100 m.l.

Satisfactory.

SAMPLE NO. 37.

TAP—3, Station Place, Trecynon

NEUADD RESERVOIR

Date of Analysis—December 17th. Bacteriological Examination :

No. of organisms developing at 37 degrees cent—4.

Bacillus Coli absent from 100 m.l.

Satisfactory.

 NOTIFIABLE DISEASES

During the year 297 notifications were received, distributed among the different wards as follows:—

Llwydcoed	81	Gadlys	55
Town	46	Blaengwawr	38
Aberaman	77		

The number 297 is constituted as follows:—Diphtheria, 12; erysipelas, 7; scarlet fever, 91; cerebro-spinal fever, 1; paratyphoid fever, 5; puerperal pyrexia, 5; ophthalmia neonatorum, 3; dysentery, 1; pneumonia, 66; pulmonary tuberculosis, 64; non-pulmonary tuberculosis, 13; measles, 12; whooping cough, 14; encephalitis lethargica, 1; malaria, 1, and poliomyelitis, 1.

SCARLATINA

There were 91 notifications of the above disease, distributed as follows:—

Llwydcoed	19	Gadlys	21
Town	12	Blaengwawr	13
Aberaman	26		

The number of infected houses was 89, and of these one had more than one case.

The disease was of a very mild character.

The death-rate for England and Wales was 0.00, that for great towns 0.00, that for the smaller towns 0.00, that for London 0.00, and that for Aberdare 0.00.

DIPHTHERIA

Twelve notifications were received, the ward distribution of these cases being as follows:—

Llwydcoed	3	Gadlys	2
Town	3	Blaengwawr	—
Aberaman	4		

There were 12 infected houses.

The death-rate per 1,000 of the population was .02 as compared with .01 for England and Wales, .01 for the great towns, .01 for the smaller towns, and .01 for London.

TUBERCULOSIS

During the year 64 cases of pulmonary tuberculosis and 13 of tuberculosis of other regions were notified.

The sub-joined table, prescribed by the Ministry of Health, gives the age and sex distributions of persons notified as suffering from the disease and of those who died from it:—

Age	Periods	NEW CASES				DEATHS			
		Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
		M.	F.	M.	F.	M.	F.	M.	F.
0		—	—	—	—	—	—	—	—
1		3	1	1	—	1	—	1	—
5		2	1	5	—	—	—	1	—
10		2	—	1	—	1	—	—	—
15		3	6	—	—	1	1	—	—
20		4	9	1	1	—	1	—	—
25		9	8	1	2	1	3	—	—
35		4	4	—	1	5	—	—	—
45		4	—	—	—	5	1	—	—
55		1	—	—	—	2	—	—	—
65 (& upwards)		2	1	—	—	2	—	—	—
Totals		34	30	9	4	18	6	2	—

The health visitors paid 2,051 visits to patients suffering from tuberculosis.

At the end of the year there were 259 males and 258 females on the register, and of these 287 were found to be in good health, 171 in fair health, 31 in the same condition as they were in when notified, and 28 were in sanatoria.

It was found that 146 males were working regularly, 23 unemployed, but fit for work, and 45 were unable to work.

PNEUMONIA

Sixty-six cases of the above disease were notified, and the death-rate per 1,000 population was .30.

All these cases were visited and suitable literature supplied to those in attendance on the patient.

PUERPERAL PYREXIA

Five cases of puerperal pyrexia were notified, and all recovered.

The notification rate per 1,000 births (live and still) was 7.3.

OPHTHALMIA NEONATORUM

Three cases occurred, and recovered with unimpaired sight.

MEASLES

There were no deaths registered as having been due to the above disease.

The death-rate for England and Wales was 0.00, for the great towns .01, for the smaller towns .00, for London .01, and for Aberdare nil.

NON-NOTIFIABLE DISEASES

Influenza

Eight deaths were caused by the above disease. The death-rate per 1,000 population was .20, as compared with .15 for England and Wales, .13 for the great towns, .14 for the smaller towns, and .12 for London.

Diarrhoea and Enteritis

One death was attributed to this cause.

The death-rate for England and Wales per 1,000 births was 4.4, for the great towns 6.1, for the smaller towns 2.8, for London 4.2, and for Aberdare 1.5.

MIDWIVES' ACT, 1902

MIDWIVES' ACT, 1936

Notifications from midwives of their intention to practise:

(a) Resident within the district	26
(b) Resident outside the district, but practising inside	Nil
The number of the above who were enrolled in virtue of having been in practice previously to 31st July, 1901	Nil
Number holding certificates in midwifery from institutions or societies recognised by the Central Midwives' Board	26
Nurses who have ceased practising (deaths)	Nil
Nurses who have ceased practising	Nil
Nurses who have ceased practising (removed from the district)	4
Notices received of sending medical aid	202
Notices received of still-births from midwives	25
Midwives removed from midwives' roll owing to gross negligence in their duties	Nil
Visits paid to midwives at their houses to inspect bags and registers	170

For midwifery purposes the urban area is divided into six districts, and there are seven permanent nurses and two temporary ones employed by the Council.

Seventy-one live-births were dealt with by the independent midwives, as compared with 374 live-births, 16 still-births, nine miscarriages, and nine abortions attended to by the municipal midwives.

One hundred and forty live-births and nine still-births were dealt with at the General Hospital.

ANTE-NATAL CLINIC

Four hundred and thirty-two patients attended the clinic, the number of attendances being 1,342 and the average weekly attendance 27.3. This work is done on Friday by Dr. Marsden.

The undermentioned diseases were treated in the numbers indicated:—

Dental Treatment	...	...	...	...	...	...	89
High Blood Pressure	...	...	...	...	...	...	3
Constipation	...	...	...	...	...	...	18
Albuminuria	...	...	...	...	...	...	5
Heart Trouble	...	...	...	...	...	...	16
Leucorrhoea	...	...	...	...	...	...	15
Vomiting	...	...	...	...	...	...	10
Forceps Delivery	...	...	...	...	...	...	10
Anaemia	...	...	...	...	...	...	7
Threatened Miscarriage	...	...	...	...	...	...	2
Haemorrhoids	...	...	...	...	...	...	3
Varicose Veins	...	...	...	...	...	...	7
Bronchitis	...	...	...	...	...	...	3
Miscarriage	...	...	...	...	...	...	4
Premature Birth	...	...	...	...	...	...	4
Anencephalic	...	...	...	...	...	...	1
Abortion	...	...	...	...	...	...	3
Breech Delivery	...	...	...	...	...	...	5
Spina Bifida	...	...	...	...	...	...	2
<i>Cases referred to their own doctors:—</i>							
Doubtful Pregnancy	...	...	...	...	...	...	2
Contracted Pelvis	...	...	...	...	...	...	3
Twin Pregnancy	...	...	...	...	...	...	3
Placenta Praevia	...	...	...	...	...	...	2
Caesarean section	...	...	...	...	...	...	3
Breech	...	...	...	...	...	...	5
Complete prolapse of uterus	...	...	...	...	...	...	1

STILL-BIRTHS

Neo-Natal Deaths

Twenty-seven still-births and 30 neo-natal deaths were investigated.

MATERNAL DEATHS

Last year the Registrar-General attributed three deaths to other maternal causes.

The death-rate per 1,000 live and still births was 4.3.

HEALTH VISITORS

The Health Visitors paid 585 first visits and 12,513 re-visits to children under school age.

INFANTILE MORTALITY

The infantile mortality rate was 46, as compared with 46 for the great towns, and 43 for England and Wales.

The rate for the County of Glamorgan was 45, for the Glamorgan Urban Districts 45, and for the Glamorgan Rural Districts 46.

Sub-joined will be found the rates for some of the larger Glamorgan districts :—

Barry	47	Mountain Ash ...	50
Caerphilly	46	Neath Borough ...	44
Maesteg	50	Pontypridd	53
Port Talbot	43	Rhondda	43
Neath Rural	47		

INFANT WELFARE CENTRE

Five thousand six hundred and sixty-nine attendances were made at the Centre during the year, the average weekly attendance having been 109. Two hundred and thirty-six diseases and disorders were diagnosed, and the majority were treated at the Centre.

Fifty-five conditions requiring surgical attention were diagnosed, and either referred to their own doctor or to the orthopaedic surgeon.

Three hundred and eighty-four tins of Maltoline were given out to children suffering from malnutrition.

ORTHOPAEDIC TREATMENT

Mr. Haycraft examined six new cases and re-examined seven old cases. Eleven children paid 16 visits to the out-patients' department of the Prince of Wales' Hospital, and surgical appliances were given to six children. Four children were transferred to the care of the Education Committee. Twenty children made 35 visits to the clinic and the nurse paid 157 visits to the homes of crippled children.

ENLARGED TONSILS AND ADENOIDS

Three children of pre-school age were operated on at the General Hospital.

MATERNITY AND CHILD WELFARE DENTAL TREATMENT

The particulars of the work done are as follows:—

EXPECTANT MOTHERS

Number of visits to the clinic	...	...	...	...	221
" " fillings	...	...	...	...	12
" " extractions	...	...	...	...	320
" " gas administrations	...	...	...	...	81
" " dressings	...	...	...	...	4
" " impressions taken	...	...	...	...	10

INFANTS

Number of visits to the clinic	...	...	...	...	56
" " fillings	...	...	...	...	23
" " extractions	...	...	...	...	27
" " gas administrations	...	...	...	...	19
" " dressings	...	...	...	...	22

BIRTH CONTROL CLINIC

Date	Number of New Patients	Number of Re-visits to Clinic
8th January	—	6
12th February	—	10
12th March	—	14
9th April	—	9
14th May	—	16
4th June	—	10
9th July	—	11
13th August	—	15
10th September	—	16
8th October	—	15
12th November	—	25
10th December	—	11

DIPHTHERIA IMMUNISATION

Return from 1st January to the 31st December, 1946

Child Population.

Aged under
five years

Number of Children in the Authority's area on
the 31st December, 1946 2940

IMMUNISED CHILDREN

Number of children who have completed the full course of immunisation between 1st January to the 31st December, 1946	459
Number of children who have completed the full course of immunisation prior to the 31st December, 1945	1936
	2395
Less 616 children who have attained the age of five years and over	616
Total	1779

SLAUGHTER OF ANIMALS ACT, 1933

Eighteen licences were issued to butchers authorising them to slaughter animals under the above Act.

SLAUGHTERHOUSE

The Slaughterhouse is under the management of the Ministry of Food and serves the Aberdare and Mountain Ash areas. The number of animals slaughtered during the year was 23,440. All the carcasses were examined and the details of the inspections made are as indicated below.

CARCASSES INSPECTED AND CONDEMNED

	Cattle excluding Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	916	1028	917	20460	119
Number inspected	916	1028	917	20460	119
All diseases except Tuberculosis :—					
Whole carcase condemned ..	1	9	1	19	—
Carcase of which some part or organ was condemned	183	306	43	2280	5
Percentage of the number inspected affected with disease other than T.B.	20.09	30.64	4.8	11.2	4.2
Tuberculosis only :—					
Whole carcase condemned ..	1	21	1	—	—
Carcase of which some part or organ was condemned	63	201	—	—	7
Percentage of the number inspected affected with Tuberculosis	8.0	21.59	.10	—	5.9

UNSOUND FOOD

Food of the above description condemned as unfit for human consumption amounted to 24 tons 6 cwt. and 101 lbs. The amount condemned at the slaughterhouse was 49,120 lbs., which consisted of beef 20,071 lbs., beef offal 20,677 lbs., veal 233 lbs., veal offal 199 lbs., mutton 709 lbs., mutton offal 6,996 lbs., pork 59 lbs., and pork offal 176 lbs., and 5,413 lbs. of miscellaneous articles of food were condemned in various premises and stores throughout the district.

MILK (SPECIAL DESIGNATIONS) ORDERS, 1936-1946

Two licences were issued to establishments for the production of pasteurised milk, and four dealers' licences were issued to retailers of pasteurised milk. Thirty-six samples of milk were taken for bacteriological examination. Six samples were found to be unsatisfactory. Four samples of Tuberculin Tested Milk were taken on behalf of the Welsh Board of Health. All were found to be satisfactory.

One dealer's licence was issued for the sale of Tuberculin Tested Milk.

EXAMINATION OF MILK FOR TUBERCLE BACILLI

Samples of milk were taken from 16 herds of milking cows in the district for examination for tubercle bacilli. The result of the examination showed no evidence of tubercle bacilli in any of the samples.

NATIONAL MILK TESTING—ADVISORY SCHEME

Three hundred and ninety-seven samples of milk were taken on behalf of the Ministry of Agriculture and Fisheries. The result of the examinations are as indicated below :—

289 Samples were placed in Category							A
74	"	"	"	"	"	"	B
34	"	"	"	"	"	"	C

MILK AND DAIRIES ORDER, 1926

There are 18 producers of milk and 36 producer-retailers of milk on the register. Of these, eight are producing T.T. milk and three accredited milk. In addition, there are 23 retailers of milk in the district. Two hundred and eight visits were paid to these premises during the year.

Of the milk consumed in the district approximately 70 per cent is pasteurised, 16 per cent. is T.T. or accredited and 14 per cent. ungraded milk.

PREMISES USED FOR THE PREPARATION OF HUMAN FOOD

During the year 410 visits were paid to these premises and all were kept in a satisfactory condition.

BAKEHOUSES AND FACTORIES

There are 24 bakehouses and 75 factories on the registers. Details of the inspections made are as indicated below :—

	Inspections	Written Notices
Factories—with mechanical power	278	3
Factories—without mechanical power	59	4

Defects found—Particulars :	Found	Remedied
Want of cleanliness	5	5
Defective sanitary convenience	2	2

CLOSET ACCOMMODATION

Particulars of the work done under this heading will be found in the tabulated summary of work done by the sanitary inspectors at the end of this report.

HOUSING

During the year 483 houses were repaired as the result of interviews with owners and the serving of formal and informal notices.

Details of the work done will be found in the summary of work done by the sanitary inspectors.

RATS AND MICE DESTRUCTION ACT, 1919, AND THE INFESTATION ORDER, 1943

The work on the destruction of rats and mice was continued under the above Orders during the year with the assistance of the rodent operator, who commenced duties on the 17th January, 1944, and also under the special scheme suggested by the Director of Infestation Control, which commenced on the 2nd December, 1946. Practically all the work was carried out in accordance with the directions given by the Rodent Control Branch of the Ministry of Food.

Six hundred and forty-seven surface treatments were carried out during the year, and it was estimated that 5,400 rats and 955 mice were destroyed.

One sewer treatment was completed and it was estimated that 3,239 rats were destroyed, thus making a total of 8,639 rats and 955 mice destroyed during the year.

ERADICATION OF THE BED BUG

One hundred and ninety-six houses were reported to be infested with bugs. Seven of these were Council houses. They were all sprayed with Zaldecide and it was found necessary in some case to apply this treatment on several occasions.

FOOD AND DRUGS ACT, 1938

The number of samples taken during the year for qualitative analysis was 141, comprising 101 milks and 40 of other foods and drugs.

Of the 141 samples examined, 12 were found to be adulterated or otherwise unsatisfactory, being 8.5 per cent. of the whole.

The report on the adulterated samples and the result on the action taken are as indicated below:—

Serial No. Article	Formal or Informal	Nature of adulteration or irregularity	Action taken
A.36 Milk	Formal	Deficient in milk fat, 7 per cent.	Followed up by an appeal to cow sample. This was also deficient in milk fat to extent of 2.3 per cent. Producer warned.
A.57 Milk	Formal	Deficient in milk fat, 7 per cent.	Followed up by an appeal to cow sample, which was found to be up to the required standard. Producer warned.
A.61 Milk	Formal	Deficient in milk fat, 16 per cent.	Followed up by an appeal to cow sample. This was also deficient in milk fat to the extent of 7 per cent. Producer warned.
40.A. Pud-ding Mixture	Informal	Infested with meal mites.	Mixture surrendered.
68.A. Boracic Ointment	..	Excess Boric Acid 0.7 per cent.	Vendor informed.
A.82. Milk	Formal	Deficient in milk fat 5 per cent.	Producer warned.
A.85. ..	..	Deficient in milk fat 3 per cent.	Producer warned.
A.87 ..	..	Deficient in milk fat 3 per cent.	Producer warned.
A.115. Sultanas	Formal	Contained excess sulphur dioxide 520 parts per million.	Referred to the Ministry of Food.

A.116. Sultanas	Formal	Contained excess sulphur dioxide 470 parts per million.	Referred to the Ministry of Food.
A.117. Sultanas	Formal	Contained excess sulphur dioxide 200 parts per million.	Referred to the Ministry of Food.
129.A. Glauber Salts	Informal	Deficient in water 54.8 per cent.	Retailer warned.

SUMMARY OF WORK DONE BY THE SANITARY INSPECTORS DURING THE YEAR

Number of houses and premises inspected	...	...	2405
Number of houses and premises re-visited	...	...	4800
Number of notices served—preliminary	...	...	536
Number of notices served—statutory	...	...	104
Number of houses repaired	...	...	483
Drains cleansed and repaired	...	...	116
Closets cleansed or repaired	...	...	89
Flushing tanks renewed	...	...	22
New closets erected to existing buildings	...	...	13
Yards paved or repaired	...	...	129
Defective house roofs repaired	...	...	269
Defective walls repaired	...	...	268
Defective chimneys repaired	...	...	99
Defective ceilings repaired	...	...	118
Defective floors repaired	...	...	157
Defective doors repaired or renewed	...	...	73
Defective windows repaired or renewed	...	...	147
Defective fireplaces repaired or renewed	...	...	132
Defective ovens renewed	...	...	47
New eaves-gutters and downpipes fixed	...	...	196
Accumulations of refuse removed	...	...	114
Other nuisances abated	...	...	40
Number of milk samples taken for examination	...	...	548
Number of water samples taken for examination	...	...	39
Number of samples taken for Food and Drugs	...	...	141
Number of rat-infested premises inspected	...	...	165
Number of houses infested with vermin inspected	...	...	152
Number of infectious disease cases investigated	...	...	190

DISINFECTION

Number of houses fumigated after infectious disease	...	...	190
Number of articles disinfected by steam	...	...	2173
Number of articles destroyed	...	...	8

DRAIN TESTING

Number of old drains tested	...	...	...	...	...	80
Number found defective	...	...	...	...	...	42
Number of drains relaid	...	...	...	...	...	42

FACTORIES

Number on Register	...	...	...	...	...	75
Number of outworkers	...	...	...	...	...	Nil
Number of visits of inspection	...	...	...	...	...	278
Defects remedied	...	...	...	...	...	4

BAKEHOUSES

Number on Register	...	...	...	...	...	24
Number of visits of inspection	...	...	...	...	...	59
Defects remedied	...	...	...	...	...	3

DAIRIES, COWSHEDS AND MILKSHOPS

Number on Register	...	...	...	...	...	77
Number of visits of inspection	...	...	...	...	...	208
Defects remedied	...	...	...	...	...	9

SLAUGHTERHOUSE

Number of animals slaughtered	...	...	...	...	23,440
Number of carcasses inspected	...	...	...	...	23,440
Meat condemned at slaughterhouse	...	...	...	...	49,120lbs.
Other foods	...	...	...	...	5,413lbs

D. RICHARDS

(Senior Sanitary Inspector,

